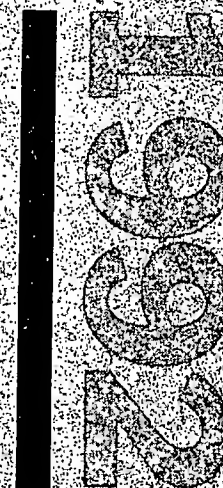


ANNUAL REPORT

armed forces institute of pathology
washington, dc 20306-6000





NATIONAL MUSEUM OF HEALTH AND MEDICINE OF THE AFIP

Marc S. Micozzi, M.D., Ph.D.

Director

Date of Appointment - 21 June 1986

MISSION

To further public and professional understanding of human health and progress against diseases.

PROGRESS

In FY92, Congress appropriated \$500,000 to the Assistant Secretary for Health at the Department of Health and Human Services (DHHS) to be used to continue planning efforts for the Museum's new public education and exhibition facility. DHHS chose to retain the FY92 funds rather than transfer them to AFIP, as had been done in FY91. The FY92 support, administered by the U.S. Public Health Service, funded several important planning elements. The Demonstration Project, a series of interactive collections-based prototype exhibits about the human body, continued with exhibits about the skin, endocrine, lymphatic, and musculo-skeletal systems joining those installed in FY91 about the heart, lungs, kidneys, liver, and stomach. An Implementation Plan, which will guide internal Museum development from the present until the new facility opens in 1998, also was developed. In addition, ongoing project coordination was provided. A portion of the FY92 funding was transferred to the General Services Administration and used to obtain a structural survey on the preferred site for the new facility — the east plaza adjacent to the Hubert Humphrey Building at the foot of Capitol Hill. Finally, a portion of the funds was used to create an Office of Public Health History within the U.S. Public Health Service.

The Office of Public Health History serves as the official liaison office to the Museum project and works closely with Museum staff on both policy and operational issues.

The National Museum of Health and Medicine Foundation completed plans for a major capital campaign that will raise funds for exhibits. This would include both prototypes for the short-term and major exhibits to be installed in the new facility.

Congressional support for the project continues. In the spring of 1992, Foundation trustee Charlene Drew Jarvis testified before Congress on behalf of the project, reporting on progress made to date with congressional funds but not requesting additional planning support for FY93. Senators Edward Kennedy (D-MA) and Sam Nunn (D-GA) have agreed to cosponsor the legislation, which will be introduced by Senator Mark Hatfield (R-OR) once the preferred site has been secured.

A. ANATOMICAL COLLECTIONS

STAFF

Paul S. Sledzik, M.S., Curator
Allison Webb Willcox, Ph.D. Cand., Collections Manager
Yvette LeGrande, B.S., Plastination Technician

In 1992, the staff of the anatomical collections continued its activities in the areas of collections management, professional courses, research, exhibit support, plastination, and public and professional outreach. This year was our most active to date, and planning continues for an even more productive year in 1993.

ACQUISITIONS

The James L. Shupe Veterinary Fluorosis Collection was acquired this year. Dr. Shupe, a professor emeritus in the Department of Veterinary Science at Utah State University, is internationally known for his pioneering work on the effects of fluoride on large animals. The collection is unique for the length of the studies conducted, the controlled scientific and pathological assessments, and the range of documentation available for each animal. The collection consists of skeletal specimens, bone sections, microscope slides, photographs, case documentation, and reprints, texts, and reports on fluorosis, fluoride treatment, and related fluoride research. Procter and Gamble Corporation funded the transfer of the collection to the NMHM/AFIP and has provided money to arrange and produce a finding aid for the collection.

COLLECTIONS MANAGEMENT

In 1992, collections management activities slowed during the year as we again relied on volunteer and student aide assistance. Volunteers aided in inventorying and cataloging several skeletal and wet tissue collections.

We undertook a project to inventory, catalog, and photograph our Native American skeletal collection. This collection is of interest because of a federal mandate to repatriate all Native American skeletal remains housed in federal institutions. We worked closely with the new Repatriation Office of the Smithsonian Institution to take advantage of their greater resources. A student from the University of South Carolina completed her graduate internship requirements by completing a significant portion of this project. Lastly, a repatriation ceremony was held at the Museum this fall for remains returned to the Apache tribe.

EDUCATION

Our fifth annual Forensic Anthropology course was held in June 1992, at the Uniformed Services University of the Health Sciences in Bethesda, Maryland. Thirty participants attended the course, including medical examiners, coroners, forensic dentists, and law enforcement personnel. Dr. Judy Suchey of the California State University-Fullerton was the featured lecturer. Plans were made for the sixth annual course to be held in Albuquerque.

Our first course in paleopathology was held in March 1992, at the Museum. Over 60 participants from around the world attended the course. Several AFIP staff members lectured at the course, as did several well-known paleopathologists from various institutions throughout the United States. This well-received course covered the broad topic of the study of disease in skeletal and mummified remains from historic and prehistoric periods. Planning has begun for the 1994 course.

PLASTINATION LABORATORY

The plastination program accomplished many goals this year. A fee-for-service program was instituted that will allow us to recover costs of plastinating specimens from federal and nonfederal institutions. This year, we worked with the Liberty Science Center, the Uniformed Services University of the Health Sciences, Georgetown University, Walter Reed Army Hospital, and other federal and private institutions. Yvette LeGrande recently plastinated several series of insect larvae for use in teaching forensic entomology. This work was presented at the International Society for Plastination in Kingston, Ontario. The material is being used presently at the Forensic Sciences Training Unit at the FBI Academy in Quantico, Virginia.

Specimens plastinated by Ms. LeGrande were also the focus of an exhibit at the American Society of Anesthesiologists Meeting in New Orleans. The exhibit, entitled "Plastination of human tissues as a teaching tool for regional anesthetic techniques," earned second place in the exhibit competition.

RESEARCH

Anatomical Collections staff were involved in a variety of research projects. We completed the analysis of 30 skeletons from a historic period cemetery from Connecticut. In addition, we completed and presented a study focusing on the use of the distal humerus to predict sex in skeletal remains.

We also were involved with the St. Mary's City (Maryland) Lead Coffin Project. The project, which involved an interdisciplinary team of archaeologists, conservators, engineers, historians, paleopathologists, physical anthropologists, and materials and atmospheric scientists, excavated and analyzed three lead coffins dating from the late 17th century. The coffins had been buried in a church foundation located in St. Mary's City, the site of the state's first settlement and capital (ca. 1634). They are believed to contain the remains of the Calvert family, prominent early Marylanders. The goal of the project is to positively identify the three bodies, determine cause of death, and document burial customs from 17th-century America.

Anatomical collections staff were authors and coauthors of several papers presented at the American Academy of Forensic Sciences Meeting in New Orleans. These papers highlighted the Forensic Anthropology course and our collaborative work with the Office of the Armed Forces Medical Examiner.

RESEARCH REQUESTS

Research requests include telephone inquiries, written requests, and use of the collections by researchers. Staff answered nearly 60 telephone inquiries and 35 written requests for information. Nearly 60 researchers visited the collections for a variety of reasons, ranging from tours to scientific study of museum specimens. The topics researched included Civil War medicine, skeletal pathology, neurosurgery, forensic pathology, pediatric pathology, paleopathology, forensic anthropology, and veterinary pathology.

SUPPORT ACTIVITIES

Staff members of the Anatomical Collections assisted the Office of the Armed Forces Medical Examiner in forensic anthropological analysis of human remains on several cases and field investigations. Staff also instructed at several courses on forensic anthropology at the FBI Academy. Paul Sledzik attended a course on Human Rights and Medicine at Harvard Medical School.

The casting of skeletal pathological specimens by Dr. Diane France, of France Casting, continued in 1992. The casts are quality reproductions of Civil War amputations, treponemal infection, and other

diseases and injuries. A percentage of the proceeds from the sale of the casts, which are offered through France Casting, funds research projects in the Anatomical Collections.

Allison Willcox travelled to the Canary Islands to transport our "Preservation of the Human Body" exhibit. The exhibit was loaned to the Cabildo de Tenerife as part of the First International Mummy Congress for the Columbus Quincentenary. She also completed training in the Department of the Army Training in the Prevention of Sexual Harassment course and now acts as a certified instructor and trainer for the AFIP in this capacity. In addition, she attended a grant-writing workshop sponsored by the Association of Science-Technology Centers focusing on grants for museums through the NSF, NEH, DOE, and private funding institutions.

PUBLIC EDUCATION

Anatomical Collections completed a significant portion of work on the "Visualizing the Human Body" exhibits, which will focus on gross anatomy and common pathology. Staff members provided exhibit text, specimens, and guidance in other areas of exhibit design.

In the area of public and quasi-professional presentations, staff members spoke to groups at the Lee-Fendall House, the Civil War Roundtable of Eastern Pennsylvania, the Rappahannock Valley Civil War Roundtable, the Washington Society of the History of Medicine, the Lehigh Valley Association of Clinical Microbiologists and Immunologists, the George Washington University Teaching New Technology series, and several D.C. area elementary and secondary schools.

The staff of the Anatomical Collections was featured on several television and print media stories, including the programs "Sightings" and "Nightline" in addition to the New York Times, the Washington Post, the Washington Times, and USA Today.

B. OTIS HISTORICAL ARCHIVES

STAFF

Michael Rhode, B.A., Chief Archivist

RESEARCH REQUESTS

The Otis Historical Archives (OHA) received a total of 115 written or telephone requests for information this year, in addition to Medical Museum and AFIP requests, visitors, or referrals to other institutions. Researchers were affiliated with the American Heritage magazine, the Arkansas Museum of Science and History, the British Broadcasting Corporation, the Cincinnati Medical Heritage Center, Gifu University, the Office of the Army Surgeon General, the Holocaust Memorial Museum, the Indiana National Guard, Museu Historico da EPM, the Mutter Museum, National Geographic, the National Library of Medicine, the National Museum of Natural History Repatriation Office, the National Park Service, the Oklahoma Historical Society, the Pan-American Health Organization, Prentice Hall Publishing, the University of Mississippi, the University of Pennsylvania, the University of Michigan, Walter Reed Army Institute of Research, and World Book Publishing, among others. The archives had at least 116 visitors in 1992 for tours, in-depth research, or professional discussions. A great deal of interest was shown in Dr. Pierre Finck's report on the autopsy of President Kennedy, which was acquired as part of the Blumberg Collection. This report was the subject of a FOIA request, and after it was opened to the public, it was used by Dennis Breo in his article "JFK's death, part III - Dr Finck speaks out: 'two bullets, from the rear'," which was published in JAMA. Breo has attempted to end the controversy surrounding President Kennedy's autopsy and has credited Finck's 1965 report as adding up to "undeniable proof."

ACQUISITIONS AND PROJECTS

Collecting this year focussed on a few major acquisitions. Dr. Frank Townsend, former Director of the AFIP and member of the Board of Governors, donated many of his personal papers, which illustrate his role at the AFIP and in aerospace pathology. Dr. Lent Johnson donated a set of reprints of the late Dr. Hans Smetana. Thanks to his wife, we acquired the papers of Dr. Milton Helpert of the New York City Medical Examiner's Office. Several people and institutions donated historic medical books for the museum library, and the staff began to consider a project to catalog the entire book collection.

The computerized inventory and finding aid project, started in 1989, continued. Greg Heltzer, a DOD Science & Engineering Apprentice Program student, worked on Anita McGee's papers from the Russo-Japanese War. Volunteers assisted the staff with research on Civil War collections, Army Signal Corps photographs, and the AFIP Historical Files. The AFIP Historical Files is a collection of information on the AFIP since its founding. Records that had been collected and held by Records Repository, the Medical Illustration Service Library, and the Museum have been merged and arranged in alphabetical order with a folder listing and are now available for use. If anyone has material that might be suitable, please contact the archivist. Gary Masters of the Casualty Care Research Center, USUHS, continued arranging the Kenneth Swan Collection of Vietnam-era trauma slides for eventual publication. Dr. Swan visited the archives and agreed to help with the project. A NMHM audiovisual collection was begun with films transferred from CAME during the 1980's as its nucleus. It will continue to grow as WRAMC-TV transfers their obsolete films to us. Assistance in setting up a data base and dating films was provided by Sara Richards of the National Library of Medicine. The combination shelf list and inventory of the archives is still continuing and will eventually serve as the basis for a 'guide' to the OHA collections.

OTHER ACTIVITIES

Exhibit support was provided for the series of exhibits at the Pentagon with Rhode writing "Yellow Fever and Walter Reed," "Typhus in the World Wars," and "Malaria." Dr. Stocker's project for an AFIP Oral History continued, with Dr. C. Stuart Kennedy of the Foreign Affairs Oral History Program at Georgetown University conducting the interviews. This year's participants were Drs. Cowart, Earle, Helwig, Irey, F Johnson, TC Jones, Karnei, McMeekin, Mostofi, Stowell, Townsend, and Weiss. Most of the interviews were filmed by WRAMC-TV and are available as transcripts or videotapes.

In the spring, Rhode accompanied Paul Sledzik, Anatomical Collections curator, to Utah to give professional advice and assist in packing the Shupe collection. In September, Rhode attended the Society of American Archivists annual meeting in Montreal. This fall he became a member of the Steering Committee for the DC Picture Group.

The OHA continued "fees for services" to recover costs. At present, this consists of charging for duplicating services. There has been no drop in requests.

C. HISTORICAL COLLECTIONS

MISSION

Historical Collections is responsible for the acquisition and preservation of artifacts documenting the history of medicine and the evolution of medical technology. The collection, which started circa 1864, is made available for the education of medical professionals, historians, and the public through exhibits in the Museum, loans to other institutions, and individualized study.

STAFF

Noe, Adrienne, Curator
Hawk, Alan, Collections Manager
(D) Nedd, Council, Student Intern
(A) Pannell, Marietta, ARC Intern
Pargament, Sol, Docent/Volunteer
Ake, Matthew, Volunteer
(A) Dazuenheimer, Marie, Volunteer
(A) Ring, Markus, Volunteer
(A) Smith, Kelly Dianne, Volunteer

CONSULTATION

Telephone and written inquiries: 78 received and responded to.

Lectures

Alan Hawk, "Historical Collections of the National Museum of Health and Medicine," Docent training program, October 22, 1992.

Alan Hawk, "Replacing a lost tooth, the birth of the Dental Technology Industry," Docent training program, October 22, 1992.

Consultation to Museum Professionals:

Di L. Adams, Neville Public Museum of Brown County, Green Bay, Wis.

Adriann Drapkin, Medical Museum, University of Iowa Hospital and Clinics, Iowa City, Iowa

Philip Seitz, Museum, American Academy of Otolaryngology -Head and Neck Surgery,
Alexandria, Va.

Marsha L Trowbridge, South Carolina State Museum, Columbia, S.C.

Alan Hawk, reviewer for Thomas B. Allen, *The Great Army of the Wounded, The Blue and The Gray* (Washington: National Geographic Society, 1992.) pp. 94 -99.

RESEARCH

Provided artifact and research support for the following exhibits:

"Human Body; Human Being; Human Body."

"Replacing a Lost Tooth" (Sponsored by the National Association of Dental Laboratories).

COLLECTIONS MANAGEMENT

Computerized inventory of artifacts stored in Hammond Hall, the microscope storage area, the warehouse, and the exhibit halls now include 12,080 artifacts, approximately 96% of Historical Collections. The artifacts included are listed by catalog number, accession number, classification based on medical subject headings, object name, and location.

The Historical Collections Computer Catalog, which differs from the inventory by containing a more detailed description of the artifact, now includes 5,253 artifacts, approximately 42% of the collection. The 1,662 items cataloged in 1992 include new accessions, previously accessioned artifacts, and artifacts going out on loan.

Four hundred and nine artifacts were donated to Historical Collections in 1992. Significant additions to the collection include: an Intermagnetics General Corporation Model 9384 Super Conducting

Magnet, the predecessor to the nuclear magnetic resonance imaging machines currently used by hospitals, a chemical typewriter developed at Walter Reed Army Institute of Research to record the chemical structures of pharmaceuticals, and two prototype AFDIL DNA bloodstain kits.

Historical Collections is beginning to establish ties with professional medical associations. The National Association of Dental Laboratories (NADL) sponsored an exhibit describing the process of making a denture. In addition to planning a future expanded exhibit explaining the role of the dental technology industry in healthcare, NADL is assisting in locating and collecting artifacts that document the history of the profession. Historical Collections has been designated the collecting unit for the Commissioned Officer Corps of the United States Public Health Service and the American Association of Electromyography and Electrodiagnosis.

Forty-eight artifacts were loaned to other institutions for exhibition. Historical Collections supported exhibits at the Lee-Fendall House in Alexandria, Virginia, and the National Library of Medicine at the National Institutes of Health.

Four microscopes from the Billings Microscope Collection are featured in a traveling exhibit, "The Age of the Marvelous." The topic of the exhibit, which includes the Robert Hooke microscope, is the development of science in Europe circa 1700. The exhibit opened last year at the Hood Museum in Hanover, New Hampshire, and it will travel to Raleigh, North Carolina; Houston, Texas; and Atlanta, Georgia.

PUBLICATIONS

Articles

Council Nedd II. When the solution is the problem: a brief history of the shoe fluoroscope. *Am J Roentgenol.* 1992;158:1270.

Photographs

Anne Hobart, *Microscopes* (San Diego: Lucent Books, 1992)

Curiosity Changed Japan! The Science Adventure of Artists in the Edo Period (Sendai: Sendi City Museum, 1992)

DEPARTMENTAL GOALS

1. Continue cataloging Historical Collections on the computerized catalog to record detailed information on the artifacts. This project will allow the collection to be more accessible to researchers.
2. Continue cultivating ties with professional medical societies to assist in collecting artifacts significant to the history of the specialty.
3. Continue developing the National Medical Repository by aggressively collecting modern examples of significant medical technology.
4. Investigate additional funding sources for Historical Collections.

D. REGISTRAR

STAFF

Donna Quist, Registrar,
Lisa Kluth, Volunteer, Summer 1992

MISSION

The mission of the Office of the Registrar for the National Museum of Health and Medicine, AFIP, is to facilitate and maintain procedures and records for the Museum's acquisitions and loan programs.

The Office of the Registrar was pleased to have Lisa Kluth, a fine arts major from Galludet University's Experiential Programs Office, on board this summer to assist the office with registration and collections management projects.

TECHNICAL SUPPORT

Accessions: The museum received 75 acquisitions in 1992. These include the U.S. Area Dental Laboratory Acquisition, the Milton Helpern Collection, and the Red Cross National Headquarters Office HIV/AIDS Education acquisition.

LOANS

For calendar year 1992, 25 outgoing and incoming loans were negotiated by the Office of the Registrar. These included "The Value of the Human Being: Medicine in Germany 1918-1945," the Dr. Jing Wu exhibition of "Healing Images and Color," The Franklin Institute exhibition loan "Its All in Your Head," and the Strong Museum exhibition loan "Altered States."

ACCOMPLISHMENTS

The Guide to Standard Operational Procedures Questionnaire, a 60-page document, was completed in 1992. This document will enable division managers to assess the needs of their collections for the purpose of accreditation and preservation.

The Standing Operational Procedures Manual for The Care of Collections was completed early in June and reviewed by all members of the Collections Management Committee. This document is designed to provide essential standardized guidance for the care of collections and should prove to be an invaluable tool in the museum's efforts for accreditation, as it includes all required policies for the preservation and maintenance of historical, anatomical, and archival collections. The manual includes 28 chapters, is 105 pages long, and contains a resource list, glossary of museum terms, and listing of Army regulations that support the efforts of collecting institutions. Also included in this document are necessary legal agreements and documents designed specifically to meet the needs of the museum.

DEPARTMENTAL GOALS

It is the goal of the Office of the Registrar to continue to facilitate and support the acquisition and loan programs of the National Museum of Health and Medicine, AFIP, with a continued emphasis toward accreditation by the American Association of Museums and the care of collections.

E. HUMAN DEVELOPMENTAL ANATOMY CENTER

STAFF

Adrianne Noe, Ph.D., Curator
Laurie Carroll, M.S., Special Projects Manager

Opened in 1991, the Human Developmental Anatomy Center brings together several of the world's major human and comparative developmental collections with facilities to examine and conduct

research on the holdings. In addition to the internationally renowned Carnegie Human Embryology Collection, a 993-case collection for the study of Sudden Infant Death Syndrome, the Arey-DaPena Pediatric Pathology Collection, and the Patanelli Upper Limb Bud Study Collection housed at the Center since 1991, several other collections have been acquired. These include the well-known Davenport Hooker-Tryphena Humphrey Collection, which highlights central nervous system features, materials from the Medical College of Virginia, as well as several others. Other collections have been committed to the Center and will arrive in 1993: the Blechschmidt Collection, materials from several major universities, and private collections both in the United States and in Europe. The Center continues to identify materials appropriate for inclusion at the center, applying critical selection criteria.

Additional space is being prepared for housing these materials and the researchers who use them; photomicrographic equipment has been acquired; and numerous sophisticated electronic-imaging devices are now in use at the Center. Forty researchers have made use of the collections in the past year, with projects ranging from descriptive studies of one embryo to the preparation of multimedia presentations on staged organogenesis. Images from the collections have appeared in several publications and electronic-media applications. Researcher visits have ranged from half-day sessions to projects of several weeks' duration.

The Human Developmental Anatomy Center negotiated a contract for \$100,000 with the National Institutes of Health to use serially sectioned embryos for three-dimensional computer-based reconstructions with identified organ systems for distribution to and evaluation by a number of agencies. The contract will require the addition of two full-time staff members, who will use equipment provided by the AFIP, and supplemented by the contract to accomplish the process in a one-year period. In addition, contractors will provide an automated data base of collections materials for use in applying for research resource center-type grants. The contract will also serve as a springboard for the investigation of super-computer-based image-reconstruction processes and cooperation with institutions using wide band-width image transmission technologies. To this end, the Center is developing close ties with such institutions as the Biomedical Visualization Laboratory at the University of Illinois at Chicago and with national anatomical imaging projects.

In December, the Center hosted the Second Annual Human Developmental Anatomy Center Conference. The conference brought together advisors to the Center, 14 presenters in fields of history of anatomy, developmental anatomy, pediatric pathology, medical education, and computer-imaging technologies, and an audience of over 60 individuals. Several projects were demonstrated, and the conference culminated with discussions of imaging platforms from which to disseminate collection materials and information about the Center. A quarterly "HDAC Newsletter" has been developed; the first issue appeared in December. To support the increasing number and scope of agendas for the Center, the American Association of Clinical Anatomists has pledged its ongoing support for the new Developmental Anatomy Registry in the American Registry of Pathology. Its goals are the use of the "Friends of the Human Developmental Anatomy Center" and other mechanisms to support research and education at the Center. Some of the ongoing projects include the production of study sets and videodisks from the Arey-DaPena Pediatric Pathology Collection and the Sudden Infant Death Syndrome materials.

Staff made presentations about the HDAC and its activities at several meetings in addition to the conference, including the adjunct meetings of the Carnegie Institution of Washington Board of Trustees and the American Association of Anatomists. Two presentations were made in conjunction with the Biomedical Visualization Laboratory of the University of Illinois at Chicago for the annual meeting of the Special Interest Group in Graphics of the Association for Computing Machinery—"The Visible Embryo" and a virtual reality presentation, "The Virtual Embryo." Both were part of the unprecedented High Performance Computing and Communications showcase. Publications about the Center include articles in the Carnegie Institution of Washington newsletter "Spectra" and the

F. OFFICE OF MUSEUM PROGRAMS

STAFF

Orla O'Reilly, B.S., Program Coordinator
Jeanne Levin, B.S., Tour Coordinator

Volunteers

Lewis Lorton, D.D.S., M.S.D, Project Development Group
Michael Hurley, B.A., Project Development Group
Lisa Dondero, Master's Candidate, George Washington University, Health Promotion Intern

Museum visitorship in 1992 increased 25 percent over that of 1991. The total figure of 64,452 included:

6,748 people in tours;
8,502 people in special events; and
49,202 walk-in visitors.

In February, Museum operating hours were extended to coincide with other metropolitan area museums. The new operating hours are 1000-1730 daily, with the Museum closed only on Christmas Day. To enhance visitors' experiences at the Museum, a day-long in-service docent training program was initiated in April and held monthly thereafter. As a result, docents can now provide more timely exhibit and program updates to groups. Special jackets featuring the Museum's logo were distributed to docents in order to increase their visibility to visitors.

Community programs on health promotion and disease prevention continued to be developed with outside organizations and were scheduled for weekday evenings and weekends throughout the year.

- Four in-service training sessions were developed and scheduled with the Washington, D.C., school system's Substance Abuse Training Program.
- Lectures by and for self-help organizations were presented.
- Parents' Day for the youth of the National Children's Center, sponsored by Kodak, was held June 5 and included a temporary exhibit of photographs taken by the participants at their job sites as well as an awards program.

The National AIDS Exhibit Consortium awarded the Museum and the Maryland Science Center a grant to develop HIV/AIDS prevention programs for minority disadvantaged students in the Baltimore/Washington areas. Funding also was awarded to expand the interactive components in the Museum's existing AIDS exhibit and to provide innovative training devices called "discovery boxes" for use with visiting groups.

EXHIBITS

"To Your Health," an exhibit of international health promotion posters, was exhibited in the galleries from February to April.

"Smoking Prevention" was installed at the Pentagon on 13 June and opened with formal remarks by Enrique Mendez, M.D., Assistant Secretary of Defense for Health Affairs. This exhibit was initiated by

the Office of the Surgeon General at the Pentagon using the Museum and SID as resources for exhibit design and fabrication. "Healing Colors and Icons," artwork by local physician Wu Jing Nuan, was displayed from May through October. An opening reception and evening lecture for the public gave further insights into the mystery of "chi," the importance of internal balance and the practice of acupuncture to align all forces in order to maintain balance. The lecture was videotaped for later broadcast on Fairfax, Virginia, cable television.

"Human Being/Human Body," a series of interactive prototype exhibits on the body and its systems, was installed in August 1992, and included the heart, lungs, stomach, kidneys, and liver. A second phase, due for completion in 1993, will add section on the musculo-skeletal, endocrine, lymphatic, and skin systems. The prototype exhibit will be evaluated and results compiled for use in designing exhibits for the new museum.

MUSEUM PROJECT/PROGRAM DEVELOPMENT

The Museum began to develop new program and exhibit proposals in cooperation with other professional organizations for possible future funding. To accomplish this, a Project Development Group of Museum staff and volunteers was assembled. Several project proposals were developed and submitted to interested institutions for possible support, including: a mental health/illness program at the Museum; an AIDS quilt designed by youngsters living with HIV/AIDS; AIDS awareness training; cosponsorship of an alternative medicine conference; and, an exhibit on the history and contributions of dental laboratories in preserving individual health.

The Project Development Group also worked with the National Museum of Health and Medicine Foundation to edit and publish the inaugural issue of "LIFELINE," a Foundation newsletter distributed in January 1993.

G. OFFICE OF COMMUNITY RELATIONS

STAFF

Dick Levinson, M.A.T., Community Relations Specialist

The Office of Community Relations works with newspapers, magazines, broadcast media, congressional offices, and community organizations to encourage media coverage of AFIP's National Museum of Health and Medicine that is factual, accurate, and positive in tone. In working with the media, we seek to emphasize the Museum's focus on critical public health issues, the importance of the Museum as a bridge between biomedicine and the general public, the Museum's special role in recruiting the health-care professionals of tomorrow, and the Museum's active research programs in such fields as medical history, physical anthropology, and the link between diet and cancer.

"GERMAN MEDICINE"

The Office of Community Relations worked with the Goethe Institute and the American Medical Association to plan and implement a successful visit for the controversial exhibit "The Value of The Human Being: Medicine in Germany 1918-1945." Speaking at the formal opening of the exhibit on November 5 were Dr. Immo Stabreit, Ambassador of the Federal Republic of Germany; Dr. James Todd, Executive Vice President of the American Medical Association; the Director of the AFIP; and the Associate Director of the AFIP for the Museum. Two of the three Surgeons General were present for this program, and information was requested by the third. On November 14, the Goethe Institute sponsored a day-long symposium focusing on the ethical, medical, and historical issues raised by the

exhibit. This program culminated in a dinner reception at the Museum so that conference participants could see the exhibit. On November 17, 75 people attended a special lecture by Annegret Ehmann, Deputy Director of the Wansee Villa Memorial and Museum in Berlin. Her speech was entitled "Museums and Social Responsibility." Among the organizations that wrote or broadcast stories about the exhibit were the New York Times, the international edition of Time Magazine, National Public Radio, the Detroit Free Press, the Cleveland Jewish News, the Philadelphia Jewish Exponent, Washington Jewish Week, and the Psychiatric Society of Washington. The Museum is currently working with an independent television producer, Blumenthal Associates, to create a documentary on the issues raised by the exhibit for PBS.

"THE PATIENT IS ABRAHAM LINCOLN"

A second Lincoln panel convened in Washington on April 14 to examine the scientific and technical aspects of an outside proposal to clone President Lincoln's DNA. While the panel concluded that this research should be delayed for up to three years, it did suggest preliminary steps the Museum could take in the interim. Working with the National Marfan Foundation, the Museum could try to increase the available supply of Lincoln materials by accepting donations from other institutions. To authenticate any potential donations, the panel suggested that the Museum seek to establish a "genetic fingerprint" for the 16th president using tissue from its collections. The panel's conclusions were reported by the New York Times, the Washington Post, and the Associated Press. The account of the meeting published by the AP was reprinted by hundreds of newspapers from coast to coast. While CNN did not cover the panel meeting, it did air a feature story on the Museum's exhibit, "The Patient Is Abraham Lincoln". This story, produced in honor of Lincoln's birthday, was broadcast repeatedly over a two-day period.

THE NATIONAL HEALTH SCIENCES EXHIBIT CONSORTIUM

On January 14, 1992, the consortium held a Capitol Hill press conference to announce both its receipt of a grant of \$1.5 million and an ambitious program that calls for the creation of traveling AIDS education exhibits and programs that can visit any science museum in the United States. The speakers at this press conference included C. Everett Koop, M.D., Sc.D.; James O. Mason, M.D., Dr. P.H., Assistant Secretary for Health at the Department of Health and Human Services and head of the U.S. Public Health Service; and the Associate Director of the AFIP for the Museum, who was elected the first president of the consortium. This press conference was covered by Voice of America, Pacifica Radio, Cox Newspapers, and the Columbia Flier.

"CLOSING IN ON CANCER"

When the National Cancer Institute expressed an interest in donating "Closing In On Cancer," a major exhibit on the history of cancer research to a museum, the Office of Community Relations helped convince NCI communications staff that AFIP's Museum would be the best permanent home for the exhibit. In the end, NCI agreed to update, revise, repair and install the exhibit at no cost to the Museum. The most recent progress report suggests that "CLOSING IN ON CANCER" will be delivered to the Museum in 1993.

"SMITHSONIAN INSTITUTION'S RESIDENT ASSOCIATE PROGRAM"

Twice during 1992, the Museum coordinated an evening program for RAP members that included a catered supper, a presentation by the Associate Director of the AFIP for the Museum, and special tours/presentations by Museum docents. We estimate that 150 people participated in these programs.

THE CHARLENE DREW JARVIS SCIENCE AWARDS

The third annual presentation of the Charlene Drew Jarvis Science Awards took place in June. This program recognizes talented science students at all levels of the District of Columbia's public schools. This program is held in the Museum each year to enable these young people to explore the possibilities of a career in the health-care field.

GENERAL ACTIVITIES

Among the journalists, broadcasters, free-lance writers, and editors we worked with in 1992 were: Celia Lowstein of the BBC, Atsuko Nameki of NHK Broadcasting, Richard Hunt from the Christian Broadcasting Network, Anne Wheeler of Hobby Broadcasting, Brenda Louie of KCTS-TV (Seattle), Jeff Claybaugh of KKAR-AM (Omaha), Tommi Landis of the Discovery Channel, Chana Freiman of Scholastic Super Science Blue, Maria Puente of KPOV-TV, Sally McKee of the Illinois Star-Journal, Donna Franklin of Scholastic Incorporated, Dan Glick of Newsweek, Sylvia Wrobel, Eric Adams, Andrea Abolins of Civil War Illustrated, syndicated columnist Nat Hentoff, Alex Chadwick of National Public Radio, and Amy Schwartz of the Washington Post.

PUBLICATIONS

Articles

1. Micozzi MS, Brown ED, Edwards BK, Bieri JC, Taylor PR, Khackik F, Beecher GR, Smith JC. Plasma carotenoid response to chronic intake of selected foods and beta-carotene supplements in men. *Am J Clin Nutri.* 1992;55:1120-1125.
2. Micozzi MS, Sledzik PS. Postmortem preservation of human remains. First International Mummy Congress and Exposition, Tenerife, Canary Islands; 1992.
3. Micozzi MS. The injuries to John F. Kennedy. *JAMA.* 1992;268:1684.
4. Micozzi MS. Lincoln, Kennedy and the Autopsy. *JAMA.* 1992;267:2791.
5. Micozzi MS, Moon TE. Preface. In: Micozzi MS, Moon TE, eds. *Nutrition and Cancer Prevention: Investigation the Role of Macronutrients.* New York, NY: Marcel Dekker; 1992: iii-vi.
6. Micozzi MS. Anthropometry and dietary assessment in nutrition and cancer studies. *Ibid.* 1992: 159-180.
7. Micozzi MS. Functional consequences from varying patterns of growth and maturation during adolescence. In: Sizonenko PC, Himes JH, eds. *Physical Status; Use and Interpretation of Anthropometry in Adolescence.* Geneva, Switzerland: World Health Organization; 1992.
8. Micozzi MS. Taphonomy: releasing the data locked in the fossil record. In: Allison PA, Briggs DEG, eds. *Human Biology*; 1992.
9. Micozzi MS. Medicine at the front. In: *World Book Health and Medical Annual.* Chicago, Ill: World Book; Inc.; 1992:340-353.
10. Noe A. Human Developmental Anatomy Center: a national resource. *Comparative Pathology Bulletin.* Washington, DC: Registry of Comparative Pathology; 1992;24(4):1,5.

Abstracts

1. Mellen PF, Micozzi MS, Lowry MA. Experimental observations of adipocere formation. Abstracts. American Academy of Forensic Sciences, New Orleans, La; 1992:30.
2. Webb Willcox A, Sledzik PS, MacCarthy WF, Micozzi MS. Determination of sex from the distal humerus. *Ibid.* 1992:38.
3. Micozzi MS. Functional consequences from varying patterns of growth and maturation during adolescence. Workshop I. Xth International Symposium on Endocrinology and Development, Venice, Italy; 1992.

4. Bayer MH, Kaiser HE, Micozzi MS. Comparison of growth disturbances in animals with neoplastic and neoplasmatic growth in plants. 7th International Symposium on Prevention and Detection of Cancer, Athens, Greece; 1992.

In addition, three articles have been submitted for publications.

PRESENTATIONS

1. Fisher D, Holland M, Mitchell L, Sledzik P, Webb Willcox A, Wadhams M, Weedn V. Extraction, evaluation, and amplification of DNA from American Civil War bones. American Academy of Forensic Sciences Meeting, New Orleans, February 1992.
2. Rodriguez WR, Froede SM, Sledzik PS, Carroll LJ, Owsley DW, Mann RW, Ubelaker DH. The role of the forensic anthropologist in Operation Desert Shield and Desert Storm. American Academy of Forensic Sciences Meeting, New Orleans, February 1992.
3. Rodriguez WC, Reiber KB, Sledzik PS, Webb Willcox A. Examination of skeletal remains by argon laser and alternate light sources in reference to trace evidence found on bone. American Academy of Forensic Sciences Meeting, New Orleans, February 1992.
4. Sledzik PS, Webb Willcox A. The National Museum of Health and Medicine/AFIP Forensic Anthropology Course: An Overview. American Academy of Forensic Sciences Meeting, New Orleans, February 1992.
5. Webb Willcox A, Sledzik PS, McCarthy W, Micozzi MS. Determination of sex from the distal humerus. American Academy of Forensic Sciences Meeting, New Orleans, February 1992.
6. LeGrande Y, Rodriguez WC, Sledzik PS. Application of plastination to forensic entomology. International Society of Plastination Meeting, Kingston, Ontario, July 1992.
7. Hahn MB, McQuillan PM, LeGrande YD, Kline MD, Holborow GS, Cullen CA, Phillips WJ, Stomatos JM. Plastination of human tissues as a teaching tool for regional anesthetic techniques. American Society of Anesthesiologists Meeting, New Orleans, October 1992.
8. Webb Willcox A. Mycobacterium in mummies: Ancient scourge? American Public Health Association Meetings, Washington, November 1992.

Books and Edited Volumes

1. Micozzi MS, Moon TE. *Macronutrients: Investigating their Role in Cancer*. New York, NY: Marcel Dekker; 1992.

Radio/Television Appearances

Hobby Broadcasting. March 1992. Feature on Museum
 KPOV-TV. April 1992. "The Museum is a Great Place for Kids"
 KRAR Radio of Omaha. April 1992. General Feature on Museum
 NPR Radio Austin. April 1992. "Anthropology and History"
 KTCS-TV of Seattle. July 1992. "Death—The Ultimate Journey"
 Fox TV of Washington. September 1992. "Digging Up The Dead"
 NPR Weekend Edition. December 5, 1992. "German Medicine"
 Blumenthal Associates. December 8, 1992. Pilot for Independent documentary on "German Medicine"

Invited Lectures and Seminars

World Health Organization, Venice, Italy, October 1992.
 New York Botanic Garden, "Plants that Health," October 1992.
 Richmond Forum (with Patsy Cornwell, Victor McKusick), Richmond, Va., March 1992
 Washington Hospital Center, Washington, D.C., April 1992

First National Convention, Society of Civil War Surgeons, Louisville, Kentucky, November 1992
The Disease Exchange: Social and Biological Consequences of 1492
Wake Forest University, Winston-Salem, N.C., October 1992



COL Yehezkel Caine (left), Surgeon General, Israel Air Force, received a briefing from Major Victor Weedn, MC, USA, Chief, Armed Forces DNA Identification Laboratory, during COL Caine's May 19 visit to the Institute.